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\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 AUG 10 Time limit for inactive STN sessions doubles to 40  
minutes  
NEWS 3 AUG 18 COMPENDEX indexing changed for the Corporate Source  
(CS) field  
NEWS 4 AUG 24 ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced  
NEWS 5 AUG 24 CA/CAPplus enhanced with legal status information for  
U.S. patents  
NEWS 6 SEP 09 50 Millionth Unique Chemical Substance Recorded in  
CAS REGISTRY  
NEWS 7 SEP 11 WPIDS, WPINDEX, and WPIX now include Japanese FTERM  
thesaurus  
NEWS 8 OCT 21 Derwent World Patents Index Coverage of Indian and  
Taiwanese Content Expanded  
NEWS 9 OCT 21 Derwent World Patents Index enhanced with human  
translated claims for Chinese Applications and  
Utility Models  
NEWS 10 NOV 23 Addition of SCAN format to selected STN databases  
NEWS 11 NOV 23 Annual Reload of IFI Databases  
NEWS 12 DEC 01 FRFULL Content and Search Enhancements  
NEWS 13 DEC 01 DGENE, USGENE, and PCTGEN: new percent identity  
feature for sorting BLAST answer sets  
NEWS 14 DEC 02 Derwent World Patent Index: Japanese FI-TERM  
thesaurus added  
NEWS 15 DEC 02 PCTGEN enhanced with patent family and legal status  
display data from INPADOCDB  
NEWS 16 DEC 02 USGENE: Enhanced coverage of bibliographic and  
sequence information  
NEWS 17 DEC 21 New Indicator Identifies Multiple Basic Patent  
Records Containing Equivalent Chemical Indexing  
in CA/CAPplus

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,  
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:41:37 ON 09 JAN 2010

=> FILE REG

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILE 'REGISTRY' ENTERED AT 16:42:22 ON 09 JAN 2010

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STRUCTURE FILE UPDATES: 8 JAN 2010 HIGHEST RN 1201769-11-0

DICTIONARY FILE UPDATES: 8 JAN 2010 HIGHEST RN 1201769-11-0

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

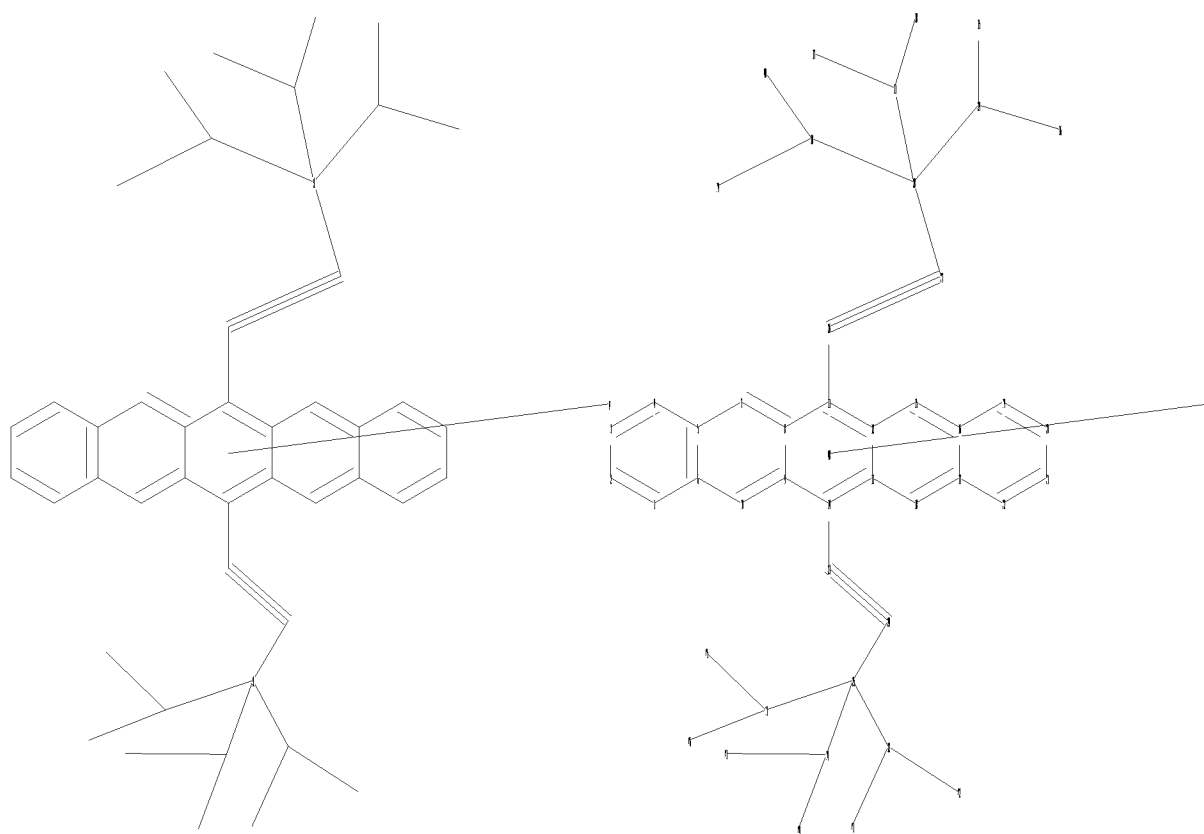
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\GOOD5.str



chain nodes :

23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43  
44 45 46 47

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

chain bonds :

11-26 14-23 23-24 24-25 25-32 25-33 25-34 26-27 27-28 28-29 28-30 28-31  
29-35 29-36 30-39 30-40 31-37 31-38 32-41 32-42 33-45 33-46 34-43 34-44

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 8-11 9-10 9-14 11-12 12-13  
12-15 13-14 13-18 15-16 16-17 16-19 17-18 17-22 19-20 20-21 21-22

exact bonds :

11-26 14-23 23-24 24-25 25-32 25-33 25-34 26-27 27-28 28-29 28-30 28-31  
29-35 29-36 30-39 30-40 31-37 31-38 32-41 32-42 33-45 33-46 34-43 34-44

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 8-11 9-10 9-14 11-12 12-13  
12-15 13-14 13-18 15-16 16-17 16-19 17-18 17-22 19-20 20-21 21-22

## Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom  
20:Atom 21:Atom 22:Atom 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS  
28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS  
36:CLASS 37:CLASS 38:CLASS 39:CLASS 40:CLASS 41:CLASS 42:CLASS 43:CLASS  
44:CLASS 45:CLASS 46:CLASS 47:CLASS 48:Atom

L1 STRUCTURE UPLOADED

=&gt; D L1

L1 HAS NO ANSWERS

L1 STR

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

Structure attributes must be viewed using STN Express query preparation.

=&gt; S L1 FULL

FULL SEARCH INITIATED 16:43:01 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 482 TO ITERATE

100.0% PROCESSED 482 ITERATIONS ( 4 INCOMPLETE) 9 ANSWERS

SEARCH TIME: 00.00.03

L2 9 SEA SSS FUL L1

=&gt; FILE CAPLUS

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

191.54

191.76

FILE 'CAPLUS' ENTERED AT 16:43:12 ON 09 JAN 2010

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FILE COVERS 1907 - 9 Jan 2010 VOL 152 ISS 3

FILE LAST UPDATED: 8 Jan 2010 (20100108/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2009

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L2

L3 6 L2

=> D L3 IBIB ABS HITSTR 1-6

L3 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2009:18455 CAPLUS

TITLE: High performance organic thin-film transistors made simple through molecular design and processing

AUTHOR(S): Jurchescu, Oana D.; Feric, Marina; Hamadani, Behrang H.; Mourey, Devin A.; Subramanian, Sankar; Purushothaman, Balaji; Anthony, John E.; Jackson, Thomas N.; Gundlach, David J.

CORPORATE SOURCE: Semiconductors Electronics Division, National Institute of Standards and Technology, Gaithersburg, MD, USA

SOURCE: ECS Transactions (2008), 16(9), 283-289

CODEN: ECSTF8; ISSN: 1938-5862

PUBLISHER: Electrochemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB We report on a simple method of inducing self-insulation of the thin-film transistors via manipulation of the chemical interactions between the organic mols. and the surfaces where they are deposited. We use pentafluorobenzenethiol (PFBT) treatment of the contacts and investigate the thin film formation of different types of chemical compds. In particular, three similar organic mols.: triisopropyl-silylethynyl pentacene (TIPS pentacene), triisopropyl-silylethynyl peri-fluoro-pentacene (TIPS PFP) and triisopropyl-silylethynyl cata-fluoro-pentacene (TIPS CFP), were studied and compared to better understand how the mol., crystal structure and thin film formation influence the elec. behavior of devices fabricated with them. The mols. exhibit significantly different interactions with the chemical treated substrates. The field-effect mobilities of these devices are directly related to their thin film microstructure.

IT INDEXING IN PROGRESS

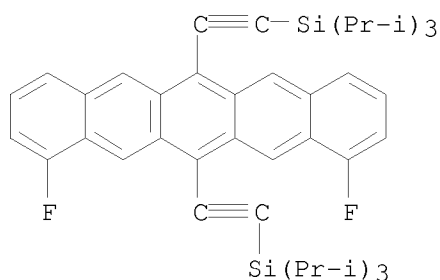
IT 854519-96-3

RL: NUU (Other use, unclassified); RCT (Reactant); RACT (Reactant or reagent); USES (Uses)

(high performance organic thin-film transistors preparation using pentafluorobenzenethiol)

RN 854519-96-3 CAPLUS

CN Pentacene, 1,11-difluoro-6,13-bis[2-[tris(1-methylethyl)silyl]ethynyl]-(CA INDEX NAME)



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2007:324817 CAPLUS

DOCUMENT NUMBER: 148:226687

TITLE: Synthesis of functionalized hexacene for OTFT application

AUTHOR(S): Purushothaman, Balaji; Parkin, Sean R.; Anthony, John E.

CORPORATE SOURCE: Department of Chemistry, University of Kentucky, Lexington, KY, USA

SOURCE: PMSE Preprints (2007), 96, 718

CODEN: PPMRA9; ISSN: 1550-6703

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal; (computer optical disk)

LANGUAGE: English

AB Tricyclopentysilyl acetylene was made by a series of reaction starting from cyclopentyl bromide. The trimethylsilyl (TMS) protected alkyne was made from the silane via the formation of triflate using trifluoromethanesulfonic acid. TMS deprotection in-situ using methanol gave the terminal alkyne. Lithiation of the alkyne followed by the addition of the hexacene quinone gave the corresponding diol. The reaction was quenched with wet THF and the crude diol was obtained. Deoxygenation using stannous chloride and 10% hydrochloric acid gave the hexacene (3). Recrystn. from hexane gave thin plates which were subjected to single crystal X-ray crystallog. studies. Mass spectra anal. of 3 by MALDI - TOFMS showed M peak at 845 indicating the desired product. TCPS Hexacene mols. exhibit 2D  $\pi$  stacking in the solid state and is soluble in most solvents and exhibits a solubility of greater than 1 wt % in toluene. UV-vis absorbance spectra shows a long wavelength absorption at 733 nm characteristic of hexacene. To study the film forming properties of this derivative, a 1 wt% solution in toluene and cast films on glass which were previously cleaned in a solution of ammonium hydroxide and hydrogen peroxide was made. UV-vis spectra of thin film showed a significant red shift indicating increased conjugation due to improved  $\pi$ -stacking between the mols.

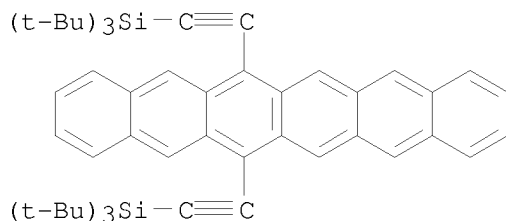
IT 856899-78-0

RL: PEP (Physical, engineering or chemical process); PRP (Properties); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
(synthesis of functionalized hexacene for organic thin film transistor application)

RN 856899-78-0 CAPLUS

CN Hexacene, 6,15-bis[2-[tris(1,1-dimethylethyl)silyl]ethynyl]- (CA INDEX

NAME)



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:562304 CAPLUS

DOCUMENT NUMBER: 143:152971

TITLE: Synthesis and Characterization of Electron-Deficient Pentacenes

AUTHOR(S): Swartz, Christopher R.; Parkin, Sean R.; Bullock, Joseph E.; Anthony, John E.; Mayer, Alex C.; Malliaras, George G.

CORPORATE SOURCE: Department of Chemistry, University of Kentucky, Lexington, KY, 40506-0055, USA

SOURCE: Organic Letters (2005), 7(15), 3163-3166  
CODEN: ORLEF7; ISSN: 1523-7060

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 143:152971

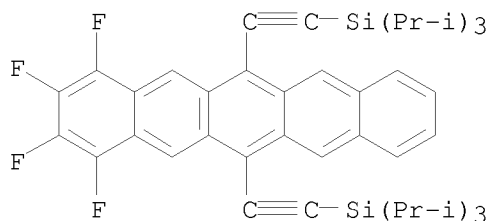
AB Halogen functional groups on pentacene can be used both as synthetic handles for further functionalization as well as to tune the  $\pi$ -stacking in these systems. The halogenated pentacene derivs. described here (X = Br, X' = H, and X = X' = F) are all stable and soluble, with reduction potentials significantly lower than that of the parent functionalized pentacene (X = X' = H). The bromopentacenes could be further elucidated to pentacene nitriles, further decreasing the acene's reduction potential, while the charge-carrier mobility in the fluorinated systems was shown to scale with the degree of fluorine substitution.

IT 859849-49-3P 859849-50-6P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(synthesis and characterization of electron-deficient pentacenes)

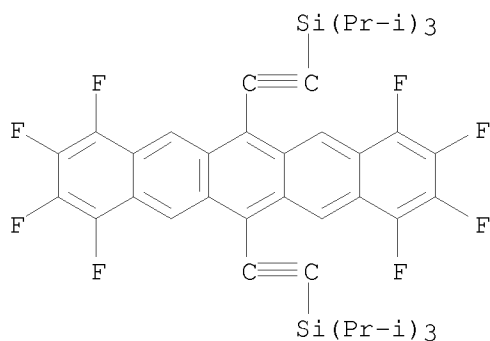
RN 859849-49-3 CAPLUS

CN Pentacene, 1,2,3,4-tetrafluoro-6,13-bis[2-[tris(1-methylethyl)silyl]ethynyl]- (CA INDEX NAME)



RN 859849-50-6 CAPLUS

CN Pentacene, 1,2,3,4,8,9,10,11-octafluoro-6,13-bis[2-[tris(1-methylethyl)silyl]ethynyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 74 THERE ARE 74 CAPLUS RECORDS THAT CITE THIS RECORD (75 CITINGS)

REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:523782 CAPLUS

DOCUMENT NUMBER: 143:69829

TITLE: Improvements in and relating to organic semiconducting layers

INVENTOR(S): Brown, Beverley Anne; Veres, Janos; Anemian, Remi Manouk; Williams, Richard Thomas; Ogier, Simon Dominic; Leeming, Stephen William

PATENT ASSIGNEE(S): Avecia Limited, UK

SOURCE: PCT Int. Appl., 68 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005055248	A2	20050616	WO 2004-GB4973	20041125
WO 2005055248	A3	20050728		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1687830 A2 20060809 EP 2004-819715 20041125  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS  
 EP 1783781 A2 20070509 EP 2007-2498 20041125  
 EP 1783781 A3 20071003  
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR  
 JP 2007519227 T 20070712 JP 2006-540612 20041125  
 EP 1808866 A1 20070718 EP 2007-4534 20041125  
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR  
 KR 2006110309 A 20061024 KR 2006-710374 20060526  
 US 20070102696 A1 20070510 US 2006-580552 20060526  
 US 20070137520 A1 20070621 US 2007-671877 20070206  
 US 20080009625 A1 20080110 US 2007-822594 20070709  
 US 7576208 B2 20090818

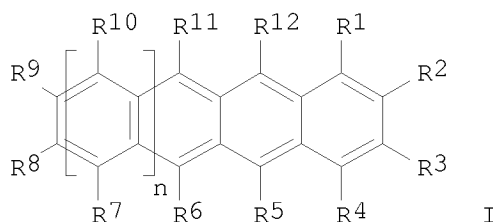
PRIORITY APPLN. INFO.:

GB 2003-27654 A 20031128  
 GB 2004-7852 A 20040407  
 GB 2004-14347 A 20040626  
 EP 2004-819715 A3 20041125  
 WO 2004-GB4973 W 20041125  
 US 2006-580552 A3 20060526

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 143:69829

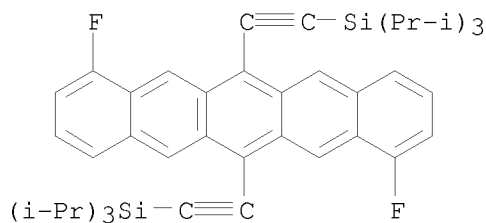
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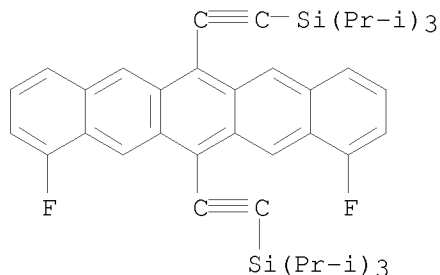
AB An organic semiconducting layer formulation (I), which comprises: an organic binder which has a permittivity,  $\epsilon$ , at 1,000 Hz of 3.3 or less; and a polyacene compound of Formula: A: wherein: each of R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11 and R12, which may be the same or different, independently represents hydrogen; an optionally substituted C1-C40 carbyl or hydrocarbyl group; an optionally substituted C1-C40 alkoxy group; an optionally substituted C6-C40 aryloxy group; an optionally substituted C7-C40 alkylaryloxy group; an optionally substituted C2-C40 alkoxycarbonyl group; an optionally substituted C7-C40 aryloxycarbonyl group; a cyano group (-CN); a carbamoyl group (-C(=O)NH2); a haloformyl group (-C(=

O)-X, wherein X represents a halogen atom); a formyl group (-C(=O)-H); an isocyano group; an isocyanate group; a thiocyanate group or a thioisocyanate group; an optionally substituted amino group; a hydroxy group. A nitro group; a CF<sub>3</sub> group; a halo group (Cl, Br, F); or an optionally substituted silyl group; and wherein independently each pair of R<sub>2</sub> and R<sub>3</sub> and/or R<sub>8</sub> and R<sub>9</sub>, may be cross-bridged to form a C<sub>4</sub>-C<sub>40</sub> saturated or unsatd. ring, which saturated or unsatd. ring may be intervened by an oxygen atom, a sulfur atom or a group shown by formula -N(R<sub>a</sub>)- (wherein R<sub>a</sub> is a hydrogen atom or an optionally substituted hydrocarbon group), or may optionally be substituted; and wherein one or more of the carbon atoms of the polyacene skeleton may optionally be substituted by a heteroatom selected from N, P, As, O, S, Se and Te; and wherein independently any two or more of the substituents R<sub>1</sub>-R<sub>12</sub> which are located on adjacent ring positions of the polyacene may, together, optionally constitute a further C<sub>4</sub>-C<sub>40</sub> saturated or unsatd. ring optionally interrupted by O, S or -N(R<sub>a</sub>) where R<sub>a</sub> is as defined above or an aromatic ring system, fused to the polyacene; and wherein n is 0, 1, 2, 3 or 4, also claimed is an electronic device, particularly.

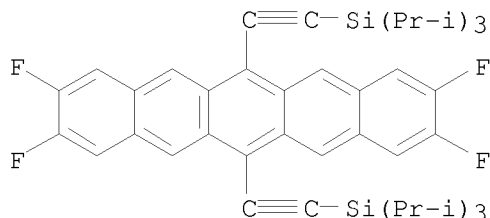
IT 854519-95-2 854519-96-3 854520-00-6  
 RL: DEV (Device component use); USES (Uses)  
 (improvements in and relating to organic semiconducting layers for organic FETs)  
 RN 854519-95-2 CAPLUS  
 CN Pentacene, 1,8-difluoro-6,13-bis[2-[tris(1-methylethyl)silyl]ethynyl]-  
 (CA INDEX NAME)



RN 854519-96-3 CAPLUS  
 CN Pentacene, 1,11-difluoro-6,13-bis[2-[tris(1-methylethyl)silyl]ethynyl]-  
 (CA INDEX NAME)



RN 854520-00-6 CAPLUS  
 CN Pentacene, 2,3,9,10-tetrafluoro-6,13-bis[2-[tris(1-methylethyl)silyl]ethynyl]- (CA INDEX NAME)

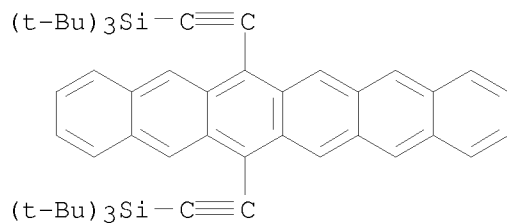


OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS  
RECORD (12 CITINGS)  
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN  
ACCESSION NUMBER: 2005:414352 CAPLUS  
DOCUMENT NUMBER: 143:96955  
TITLE: Functionalized Higher Acenes: Hexacene and Heptacene  
AUTHOR(S): Payne, Marcia M.; Parkin, Sean R.; Anthony, John E.  
CORPORATE SOURCE: Department of Chemistry, University of Kentucky,  
Lexington, KY, 40506-0055, USA  
SOURCE: Journal of the American Chemical Society (2005),  
127(22), 8028-8029  
CODEN: JACSAT; ISSN: 0002-7863  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 143:96955  
GI

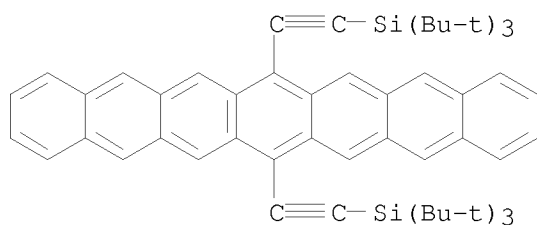
\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB We have extended our functionalization strategy for pentacene to the  
higher acenes hexacene and heptacene (I,II). Provided a large enough  
alkyne substituent is used, these large aromatic rods are both stable and  
soluble and can be characterized spectroscopically as well as by  
single-crystal X-ray diffraction.  
IT 856899-78-0P 856899-80-4P  
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(UV spectra and crystallog. of higher acenes hexacene and heptacene)  
RN 856899-78-0 CAPLUS  
CN Hexacene, 6,15-bis[2-[tris(1,1-dimethylethyl)silyl]ethynyl]- (CA INDEX  
NAME)



RN 856899-80-4 CAPLUS

CN Heptacene, 7,16-bis[2-[tris(1,1-dimethylethyl)silyl]ethynyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 79 THERE ARE 79 CAPLUS RECORDS THAT CITE THIS RECORD (80 CITINGS)

REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:689010 CAPLUS

DOCUMENT NUMBER: 141:349987

TITLE: Stable, Crystalline Acenedithiophenes with up to Seven Linearly Fused Rings

AUTHOR(S): Payne, Marcia M.; Odom, Susan A.; Parkin, Sean R.; Anthony, John E.

CORPORATE SOURCE: Department of Chemistry, University of Kentucky, Lexington, KY, 40506-0055, USA

SOURCE: Organic Letters (2004), 6(19), 3325-3328

CODEN: ORLEF7; ISSN: 1523-7060

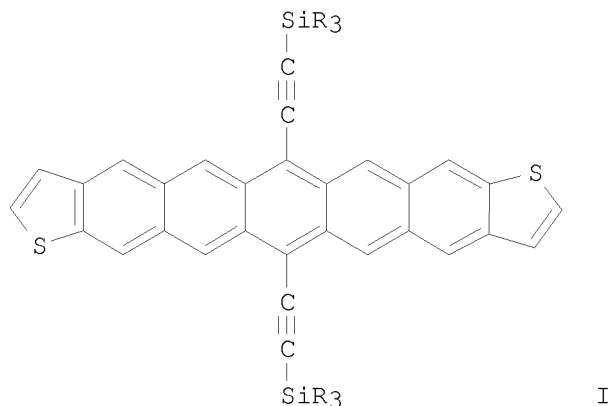
PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 141:349987

GI



AB The synthesis of a series of crystalline acenedithiophenes, e.g. I (R = Me<sub>2</sub>CH, Me<sub>3</sub>C), with up to seven linearly fused rings and silylethynyl substituents is reported. These functional groups were designed to both improve solubility and enhance cofacial interactions in the solid. The crystal packing of the prepared materials, as well as their phys. properties such as oxidation potential, UV-vis absorption, fluorescence emission, and decomposition pathways were also discussed.

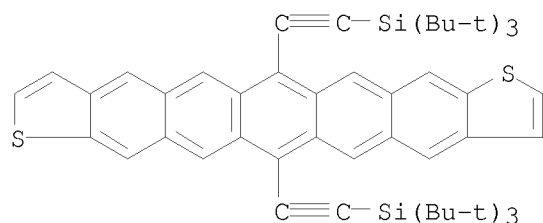
IT 775324-39-5P 775324-40-8P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)

of (preparation, crystal structure, optical properties and oxidation potential of linearly fused bis(silylethynyl) acenedithiophenes)

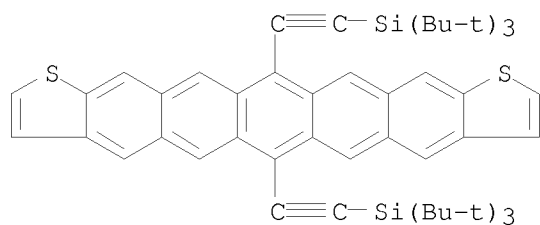
RN 775324-39-5 CAPLUS

CN Silane, (pentaceno[2,3-b:9,10-b']dithiophene-6,14-diyl)bis[tris(1,1-dimethylethyl)-ethynediyl]bis[tris(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



RN 775324-40-8 CAPLUS

CN Silane, (pentaceno[2,3-b:10,9-b']dithiophene-6,14-diyl)bis[tris(1,1-dimethylethyl)-ethynediyl]bis[tris(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



OS.CITING REF COUNT: 79 THERE ARE 79 CAPLUS RECORDS THAT CITE THIS  
RECORD (80 CITINGS)  
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	36.86	228.62
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-5.10	-5.10

STN INTERNATIONAL LOGOFF AT 16:45:40 ON 09 JAN 2010